



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/873,293	06/05/2001	Kazuyuki Shigeta	35.G2816	4751

5514 7590 08/22/2006

FITZPATRICK CELLA HARPER & SCINTO  
30 ROCKEFELLER PLAZA  
NEW YORK, NY 10112

EXAMINER

NGUYEN, KIMNHUNG T

ART UNIT PAPER NUMBER

2629

DATE MAILED: 08/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/873,293

Applicant(s)

SHIGETA, KAZUYUKI

Examiner

Kimnhung Nguyen

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9-30 is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. This Application has been examined. The claims 1-30 are pending. The examination results are as following.

#### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Beaudin et al. (US 5,367,318) in view of Dresevic (US 6,674,436).

Regarding claim 1, Beaudin et al. discloses in figures 1, 5, a display control device (control processor 34) for controlling a display to display, on a single screen (50, fig. 5), a plurality of pictures (current, old, tissue, flow, fig. 5), which are from a respective plurality of signal sources (12, 20, fig. 1) connected to signal lines, wherein the plurality of pictures are displayed in a respective plurality of display windows (50A-50D) on the screen (50), the display control device (34) comprising:

an attributes information memory (16), which stores display attributes information (see display image contain scale level or selected size, see col. 5, lines 25-32, and col. 5, lines 60-63) for each of the plurality of display windows on the single screen (col. 12, lines 21-29);

and a notification unit (V, and H switch 93, 95, fig. 4), which for each of the plurality of signal sources (12) notifies that signal source of (i) the stored display attributes information

Art Unit: 2629

corresponding to the display window in which the picture from that signal source is displayed (see col. 12, lines 21-28),

wherein the plurality of signal sources (12, 20) are separate apparatuses (see abstract, see col. 6, lines 16-19).

However, Beaudin et al. does not disclose that the signal source is displayed and (ii) information identifying the signal source.

Drešević et al. discloses in fig. 10, an input utilized in generating the images to be displayed is obtained, the input having text information includes information identifying the text characters to be displayed (see col. 15, lines 40-43).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the input having text information includes information identifying the text characters to be displayed as taught by Drešević into the display control device for controlling a display to display, on a single of Beudin et al. for producing the claimed invention because this would provide the text characters to be displayed, the font to be used, the text point size to be used and background/foreground color information and also provide to the user a high resolution representation of text characters (see col. 15, lines 48-50).

Regarding claim 2, Beaudin et al. discloses further, the display attributes information is changed to a setting of a display windows (see fig. 1, 5, see col. 5, lines 60-63).

Regarding claims 3, 8, Beaudin et al. discloses further in fig. 4, wherein a notification (V, H, fig. 4) by the notification unit is performed synchronously with a change in an inputted picture signal (fig. 5).

Regarding claim 4, Beaudin et al. discloses the notification is performed synchronously with at least a change in attributes of a signal on the network (see fig. 4).

Regarding claims 5-8, Beaudin et al. discloses the notification by notification unit I performed synchronously with a change in the size, usage on the screen (see fig. 5, co. 5, lines 60-65), and also change in content of outputted picture (see fig. 5).

***Allowable Subject Matter***

4. Claims 9-30 are allowed.

5. The following is a statement of reasons for the indication of allowable subject matter:

None of the cited art teaches or suggests a display control device for controlling a display to display, on a single screen, a plurality of pictures, which are from a respective plurality of signal sources connected to signal lines comprising a display selection unit, which appropriates each of the plurality of pictures to a respectively corresponding one of the plurality of display windows on the single screen according to the created display selection information; and a notification unit which, for each of the plurality of signal source, notifies that signal source of (i) the created display selection information and (ii) information identifying the signal source as claims 9, 27, 29; or code for an appropriating step of appropriating each of the plurality of pictures to a

Art Unit: 2629

respectively corresponding one of the plurality of display windows according to the created display selection information; and code for a step of, for each of the plurality of signal sources, notifying that signal source of (i) the stored display attributes in formation and the created display selection in formation and (ii) in formation identifying the signal source as claim 30.

### ***Response To Arguments***

6. Applicant's arguments with respect to claims 1-30 filed on 6/1/06 have been considered but are moot in view of the new ground(s) of rejection as discussed above.

Applicant also states that “ V and H switch 93, 95, fig. 4, in col. 12, lines 21-28 constitutes notifying the signal source of stored display attributes in formation. However, Applicant respectfully submits that lines 93 and 95 are horizontal and vertical switch signals to PAL 89, which signals occur at the points in the image generating scan where transitions occur from one quad to the other (col. 6, lines 43-47) and col. 12, lines 21-28 refers to a single image to be processed in the video I/O circuit 18 to appear in different forms in different quadrants, which does not pertain to notifying as claimed”.

Examiner respectfully disagrees because Beaudin et al. discloses in fig. 1, an attributes in formation is frame memory 16, and also discloses in fig. 2, the attributes in formation is frame memory (82), and H and V switches are horizontal and vertical switch signals to PAL 89 and related to the frame memory (82), therefore, the notification unit is a signal of switches H and V (93,95).

***Correspondence***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number is (571) 272-7698.

The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kimnhung Nguyen  
Patent Examiner  
August 19, 2006